

GB 250

1-component filling mortar

DESCRIPTION

1-component, ready to use, pre-weighed, cementitious based mortar, containing aggregates of selected granulometry, special additives and polymer components, used for void filling. Thanks to its special composition, it offers high final strengths and performance stability.

CHARACTERISTICS/ADVANTAGES

- Ready to use – just add water
- High strengths
- Easy on-site management
- High workability
- Fast project completion
- Performance/characteristics stability

USES

- Floor screed
- Section increase in horizontal and vertical elements
- Levelling mortar

PRODUCT INFORMATION

Composition	Portland cement, selected granulometry aggregates, special additives and polymers
Appearance/Colour	Powder, grey
Packaging	40 kg sack - 1.400 kg pallet (35 sacks)
Storage conditions	In the original, closed, sealed and undamaged packaging, protected from direct sunlight and frost, at temperatures between +5°C and +35°C.
Shelf life	12 months from date of production

TECHNICAL CHARACTERISTICS

Fresh mortar density	~ 2,25 kg/lit (+20°C)		
D_{max}	4 mm		
Flexural strength	7 days	28 days	EN 1015-11
	~ 4,0 MPa	~ 5,0 MPa	
Compressive strength	7 days	28 days	EN 1015-11
	~ 20 MPa	~ 25 MPa	

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing water	5,0 – 5,3 lt of water per 40 kg sack
Yield	A 40 kg bag yields about 21 lt of fresh mortar
Thickness layer	Max. 40 mm
Pot life	~ 30 minutes at +20 °C

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Concrete: The substrate must be sound, solid, dry and free from dust, loose particles and all types of contaminants. Substrate preparation must be carried out by appropriate mechanical means (e.g. blasting, water jetting, e.t.c.). Roughen the concrete surface until obtaining an open texture. Wet the substrate to saturation (surface saturated dry, without stagnant water). The tensile strength of concrete should be > 1,5MPa. Follow the instructions of the supervising engineer.

Reinforcement steel:

Steel should be free of rust, loose and friable parts, oils, grease and all kind of material that may reduce adhesion or contribute to corrosion. Protect the cleaned steel from further contamination before applying the mortar.

Moulds: The molds that will be used must be able to bear the load and the forces exerted on them. They should also be clean and in placed after preparation of the substrate and reinforcement.

MIXING

Mix a whole GB 250 packaging with the corresponding amount of clean, potable water, using either a conventional plaster mixer or suitable mechanical mixing and pumping equipment.

APPLICATION

Application is carried out either by pouring or pumping.

TOOL CLEANING

Fresh material should be removed immediately from the application equipment using water.

Hardened/cured material can only be removed mechanically.

IMPORTANT NOTES

- During production, casting and curing of the mortar, the most current European & National Regulations must be observed.
- Apply only to sound, suitable prepared substrates.
- Do not recommend the maximum amount of mixing water.
- Do not add any other material in the powder.
- Do not add water in a mixture that has already started to set.
- Do not exceed the maximum application thickness.
- Any expansion joints on the surface must be taken into account during application.

HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website www.marmoline.gr or upon request.

LEGAL NOTES

The information contained in this Product Data Sheet is based on the experience and current knowledge of the Company's R&D Department. All technical data stated in this Product Data Sheet is based on laboratory tests. Actual measurable data may differ due to conditions not subject to our control. The recommendations and application instructions must be considered by the user as indicative, and always given that the product has been distributed and stored based on the Company's instructions. As it is not possible to

control the parameters/conditions of application of the product in practice, no guarantee can be provided for the result of each application. Therefore, no legal liability of the Company can be established based on the information and suggestions listed in this Product Data Sheet. It is the sole responsibility of the user to evaluate the suitability and applicability of the product for its intended use. The Company reserves the right to modify the Product Properties listed in this Product Data Sheet, without prior notice. Users should refer to the latest version of the Product Data Sheet, copies of which are available on the company's website www.marmoline.gr or upon request.

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